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(54) **DISK DRIVE INCLUDING A RECORDING SURFACE EMPLOYING SERVO ZONES WITH BANDED DATA ZONES**

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360/77.08

(58) **Field of Search** 360/46, 48, 51,
360/65, 77.08

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(57) **ABSTRACT**

A disk drive includes a disk having a disk surface, the disk surface having a plurality of tracks arranged in an embedded servo format. The disk surface includes a plurality of radially-extending user-data regions and a plurality of radially-extending servo-data regions. Each user-data region has a plurality of data zones in each of which user data are stored in a plurality of track segments at a data channel frequency particular to that data zone. Each servo-data region has a plurality of servo zones in each of which servo data are stored in a plurality of track segments at a servo channel frequency particular to that servo zone. The servo channel frequency differs from the data channel frequency for at least one track.

3 Claims, 16 Drawing Sheets

